



Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

**UTILITY
PATENT APPLICATION
TRANSMITTAL**

(Only for new nonprovisional applications under 37 C.F.R. 1.53(b))

Attorney Docket No. 011738.00134

First Inventor Osorio

Title CONTROL OF TREATMENT THERAPY DURING START-UP AND
DURING OPERATION OF A MEDICAL DEVICE SYSTEM

Express Mail Label No. EV306394600US

031088 U.S. PTO
10/687290

101503

APPLICATION ELEMENTS

See MPEP chapter 600 concerning utility patent application contents.

ADDRESS TO:Assistant Commissioner for Patents
Box Patent Application
Washington, DC 20231

1. ☒ Fee Transmittal Form (e.g., PTO/SB/17)
(Submit an original and a duplicate for fee processing)
2. ☐ Applicant claims small entity status.
See 37 CFR 1.27.
3. ☒ Specification (Total Pages)
(preferred arrangement set forth below)
- Descriptive title of the invention
 - Cross Reference to Related Applications
 - Statement Regarding Fed sponsored R & D
 - Reference to sequence listing, a table, or a computer program listing appendix
 - Background of the invention
 - Brief Summary of the invention
 - Brief Description of the Drawings (if filed)
 - Detailed Description
 - Claim(s)
 - Abstract of the Disclosure
4. ☒ Drawing(s) (35 U.S.C. 113) (Total Sheets)
- a. ☒ Formal; or
- b. ☐ Informal
5. Oath or Declaration (Total Pages)
- a. ☐ Newly executed (original or copy); or
- b. ☐ Copy from a prior application (37 CFR 1.63 (d))
(for a continuation/divisional with Box 18 completed)
- i. ☐ **DELETION OF INVENTOR(S)**
Signed statement attached deleting inventor(s) named in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b).
6. ☒ Application Data Sheet. See 37 CFR 1.76

7. ☐ CD-ROM or CD-R in duplicate, large table or Computer Program (Appendix)
8. Nucleotide and/or Amino Acid Sequence Submission (if applicable, all necessary)
- a. ☐ Computer Readable Form (CRF)
- b. Specification Sequence Listing on:
- i. ☐ CD-ROM or CD-R (2 copies); or
- ii. ☐ paper
- c. ☐ Statements verifying identity of above copies

ACCOMPANYING APPLICATIONS PARTS

9. ☐ Assignment Papers (cover sheet & document(s))
10. ☐ 37 C.F.R. §3.73(b) Statement ☐ Power of Attorney
(when there is an assignee)
11. ☐ English Translation Document (if applicable)
12. ☐ Information Disclosure Statement (IDS)/PTO-1449 ☐ Copies of IDS Citations
13. ☐ Preliminary Amendment
14. ☒ Return Receipt Postcard (MPEP 503)
(Should be specifically itemized)
15. ☐ Certified Copy of Priority Document(s)
(if foreign priority is claimed)
16. ☐ Nonpublication Request under 35 U.S.C. 122 (b)(2)(B)(i). Applicant must attach form PTO/SB/35 or its equivalent.
17. ☐ Other: _____

18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment, or in an Application Data Sheet under 37 CFR 1.76:

☐ Continuation ☐ Divisional ☐ Continuation-in-part (CIP)

of prior application No: _____ / _____

Prior application information: Examiner _____

Group / Art Unit: _____

For CONTINUATION or DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

17. CORRESPONDENCE ADDRESS☒ Customer Number or Bar Code Label

22908

or ☒ Correspondence address below

(Insert Customer No. or Attach bar code label here)

Name	Binal J. Patel				
	Banner& Witcoff, Ltd.				
Address	10 South Wacker Drive				
	Suite 3000				
City	Chicago	State	Illinois	Zip Code	60606
Country	U.S.A.	Telephone	312-463-5000	Fax	312-463-5001

Name (Print/Type)

Binal J. Patel

Registration No. (Attorney/Agent)

42,065

Signature

Date

October 15, 2003

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Box Patent Application, Washington, DC 20231.

<h1 style="margin: 0;">FEE TRANSMITTAL</h1> <h2 style="margin: 0;">for FY 2004</h2> <p style="font-size: small; margin: 5px 0;">Effective 10/01/2003. Patent fees are subject to annual revision.</p>		<p>Complete if Known</p>	
<input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27		Application Number _____ Filing Date _____ October 15, 2003 First Named Inventor _____ Osorio Examiner Name _____ Art Unit _____ Attorney Docket No. _____ 011738.00134	
TOTAL AMOUNT OF PAYMENT (\$) 1252			

<p>METHOD OF PAYMENT (check all that apply)</p> <p> <input type="checkbox"/> Check <input type="checkbox"/> Credit card <input type="checkbox"/> Money <input type="checkbox"/> Other <input checked="" type="checkbox"/> None Order </p> <p> <input type="checkbox"/> Deposit Account: </p> <div style="margin-top: 10px;"> Deposit Account Number: 19-0733 </div> <div style="margin-top: 10px;"> Deposit Account Name: Banner & Witcoff, LTD. </div> <p style="font-size: small;">The Director is authorized to: (check all that apply)</p> <p> <input type="checkbox"/> Charge fee(s) indicated below <input type="checkbox"/> Credit any overpayments <input type="checkbox"/> Charge any additional fee(s) during the pendency of this application <input type="checkbox"/> Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account. </p> <p style="text-align: center;">FEE CALCULATION</p> <div style="border: 1px solid black; padding: 5px;"> <p>1. BASIC FILING FEE</p> <table style="width: 100%; font-size: x-small;"> <thead> <tr> <th colspan="2">Large Entity</th> <th colspan="2">Small Entity</th> <th rowspan="2">Fee Description</th> <th rowspan="2">Fee Paid</th> </tr> <tr> <th>Fee Code</th> <th>Fee (\$)</th> <th>Fee Code</th> <th>Fee (\$)</th> </tr> </thead> <tbody> <tr> <td>1001</td> <td>770</td> <td>2001</td> <td>385</td> <td>Utility filing fee</td> <td style="border: 1px solid black; text-align: center;">770</td> </tr> <tr> <td>1002</td> <td>340</td> <td>2002</td> <td>170</td> <td>Design filing fee</td> <td style="border: 1px solid black; text-align: center;"></td> </tr> <tr> <td>1003</td> <td>530</td> <td>2003</td> <td>265</td> <td>Plant filing fee</td> <td style="border: 1px solid black; text-align: center;"></td> </tr> <tr> <td>1004</td> <td>770</td> <td>2004</td> <td>385</td> <td>Reissue filing fee</td> <td style="border: 1px solid black; text-align: center;"></td> </tr> <tr> <td>1005</td> <td>160</td> <td>2005</td> <td>80</td> <td>Provisional filing fee</td> <td style="border: 1px solid black; text-align: center;"></td> </tr> <tr> <td colspan="5" style="text-align: right;">SUBTOTAL (1)</td> <td style="border: 1px solid black; text-align: center;">(\$ 770)</td> </tr> </tbody> </table> </div> <div style="border: 1px solid black; padding: 5px; margin-top: 10px;"> <p>2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE</p> <table style="width: 100%; font-size: x-small;"> <tr> <td>Total Claims</td> <td style="border: 1px solid black; text-align: center;">42</td> <td>-20 **</td> <td>=</td> <td style="border: 1px solid black; text-align: center;">22</td> <td>X</td> <td style="border: 1px solid black; text-align: center;">18</td> <td>=</td> <td style="border: 1px solid black; text-align: center;">396</td> </tr> <tr> <td>Independent Claims</td> <td style="border: 1px solid black; text-align: center;">4</td> <td>-3 **</td> <td>=</td> <td style="border: 1px solid black; text-align: center;">1</td> <td>X</td> <td style="border: 1px solid black; text-align: center;">86</td> <td>=</td> <td style="border: 1px solid black; text-align: center;">86</td> </tr> <tr> <td>Multiple Dependent</td> <td style="border: 1px solid black; text-align: center;">0</td> <td></td> <td></td> <td></td> <td>X</td> <td style="border: 1px solid black; text-align: center;"></td> <td>=</td> <td style="border: 1px solid black; text-align: center;">0</td> </tr> </table> </div> <div style="border: 1px solid black; padding: 5px; margin-top: 10px;"> <table style="width: 100%; font-size: x-small;"> <thead> <tr> <th colspan="2">Large Entity</th> <th colspan="2">Small Entity</th> <th rowspan="2">Fee Description</th> </tr> <tr> <th>Fee Code</th> <th>Fee (\$)</th> <th>Fee Code</th> <th>Fee (\$)</th> </tr> </thead> <tbody> <tr> <td>1202</td> <td>18</td> <td>2202</td> <td>9</td> <td>Claims in excess of 20</td> </tr> <tr> <td>1201</td> <td>86</td> <td>2201</td> <td>43</td> <td>Independent claims in excess of 3</td> </tr> <tr> <td>1203</td> <td>290</td> <td>2203</td> <td>145</td> <td>Multiple dependent claim, if not paid</td> </tr> <tr> <td>1204</td> <td>86</td> <td>2204</td> <td>43</td> <td>** Reissue independent claims over original patent</td> </tr> <tr> <td>1205</td> <td>18</td> <td>2205</td> <td>9</td> <td>** Reissue claims in excess of 20 and over original patent</td> </tr> <tr> <td colspan="5" style="text-align: right;">SUBTOTAL (2)</td> </tr> </tbody> </table> <div style="border: 1px solid black; text-align: center; float: right; width: 100px;">(\$ 482)</div> </div>	Large Entity		Small Entity		Fee Description	Fee Paid	Fee Code	Fee (\$)	Fee Code	Fee (\$)	1001	770	2001	385	Utility filing fee	770	1002	340	2002	170	Design filing fee		1003	530	2003	265	Plant filing fee		1004	770	2004	385	Reissue filing fee		1005	160	2005	80	Provisional filing fee		SUBTOTAL (1)					(\$ 770)	Total Claims	42	-20 **	=	22	X	18	=	396	Independent Claims	4	-3 **	=	1	X	86	=	86	Multiple Dependent	0				X		=	0	Large Entity		Small Entity		Fee Description	Fee Code	Fee (\$)	Fee Code	Fee (\$)	1202	18	2202	9	Claims in excess of 20	1201	86	2201	43	Independent claims in excess of 3	1203	290	2203	145	Multiple dependent claim, if not paid	1204	86	2204	43	** Reissue independent claims over original patent	1205	18	2205	9	** Reissue claims in excess of 20 and over original patent	SUBTOTAL (2)					<p>3. ADDITIONAL FEES</p> <table style="width: 100%; font-size: x-small;"> <thead> <tr> <th colspan="2">Large Entity</th> <th colspan="2">Small Entity</th> <th rowspan="2">Fee Description</th> <th rowspan="2">Fee Paid</th> </tr> <tr> <th>Fee Code</th> <th>Fee (\$)</th> <th>Fee Code</th> <th>Fee (\$)</th> </tr> </thead> <tbody> <tr> <td>1051</td> <td>130</td> <td>2051</td> <td>65</td> <td>Surcharge - late filing fee or oath</td> <td style="border: 1px solid black; text-align: center;"></td> </tr> <tr> <td>1052</td> <td>50</td> <td>2052</td> <td>25</td> <td>Surcharge - late provisional filing fee or cover sheet.</td> <td style="border: 1px solid black; text-align: center;"></td> </tr> <tr> <td>1053</td> <td>130</td> <td>1053</td> <td>130</td> <td>Non-English specification</td> <td style="border: 1px solid black; text-align: center;"></td> </tr> <tr> <td>1812</td> <td>2,520</td> <td>1812</td> <td>2,520</td> <td>For filing a request for reexamination</td> <td style="border: 1px solid black; text-align: center;"></td> </tr> <tr> <td>1804</td> <td>920*</td> <td>1804</td> <td>920*</td> <td>Requesting publication of SIR prior to Examiner action</td> <td style="border: 1px solid black; text-align: center;"></td> </tr> <tr> <td>1805</td> <td>1,840*</td> <td>1805</td> <td>1,840*</td> <td>Requesting publication of SIR after Examiner action</td> <td style="border: 1px solid black; text-align: center;"></td> </tr> <tr> <td>1251</td> <td>110</td> <td>2251</td> <td>55</td> <td>Extension for reply within first month</td> <td style="border: 1px solid black; text-align: center;"></td> </tr> <tr> <td>1252</td> <td>420</td> <td>2252</td> <td>210</td> <td>Extension for reply within second month</td> <td style="border: 1px solid black; text-align: center;"></td> </tr> <tr> <td>1253</td> <td>950</td> <td>2253</td> <td>475</td> <td>Extension for reply within third month</td> <td style="border: 1px solid black; text-align: center;"></td> </tr> <tr> <td>1254</td> <td>1,480</td> <td>2254</td> <td>740</td> <td>Extension for reply within fourth month</td> <td style="border: 1px solid black; text-align: center;"></td> </tr> <tr> <td>1255</td> <td>2,010</td> <td>2255</td> <td>1,005</td> <td>Extension for reply within fifth month</td> <td style="border: 1px solid black; text-align: center;"></td> </tr> <tr> <td>1401</td> <td>330</td> <td>2401</td> <td>165</td> <td>Notice of Appeal</td> <td style="border: 1px solid black; text-align: center;"></td> </tr> <tr> <td>1402</td> <td>330</td> <td>2402</td> <td>165</td> <td>Filing a brief in support of an appeal</td> <td style="border: 1px solid black; text-align: center;"></td> </tr> <tr> <td>1403</td> <td>290</td> <td>2403</td> <td>145</td> <td>Request for oral hearing</td> <td style="border: 1px solid black; text-align: center;"></td> </tr> <tr> <td>1451</td> <td>1,510</td> <td>1451</td> <td>1,510</td> <td>Petition to institute a public use proceeding</td> <td style="border: 1px solid black; text-align: center;"></td> </tr> <tr> <td>1452</td> <td>110</td> <td>2452</td> <td>55</td> <td>Petition to revive - unavoidable</td> <td style="border: 1px solid black; text-align: center;"></td> </tr> <tr> <td>1453</td> <td>1,330</td> <td>2453</td> <td>665</td> <td>Petition to revive - unintentional</td> <td style="border: 1px solid black; text-align: center;"></td> </tr> <tr> <td>1501</td> <td>1,330</td> <td>2501</td> <td>665</td> <td>Utility issue fee (or reissue)</td> <td style="border: 1px solid black; text-align: center;"></td> </tr> <tr> <td>1502</td> <td>480</td> <td>2502</td> <td>240</td> <td>Design issue fee</td> <td style="border: 1px solid black; text-align: center;"></td> </tr> <tr> <td>1503</td> <td>640</td> <td>2503</td> <td>320</td> <td>Plant issue fee</td> <td style="border: 1px solid black; text-align: center;"></td> </tr> <tr> <td>1460</td> <td>130</td> <td>1460</td> <td>130</td> <td>Petitions to the Commissioner</td> <td style="border: 1px solid black; text-align: center;"></td> </tr> <tr> <td>1807</td> <td>50</td> <td>1807</td> <td>50</td> <td>Processing fee under 37 CFR 1.17 (q)</td> <td style="border: 1px solid black; text-align: center;"></td> </tr> <tr> <td>1806</td> <td>180</td> <td>1806</td> <td>180</td> <td>Submission of Information Disclosure Stmt</td> <td style="border: 1px solid black; text-align: center;"></td> </tr> <tr> <td>8021</td> <td>40</td> <td>8021</td> <td>40</td> <td>Recording each patent assignment per property (times number of properties)</td> <td style="border: 1px solid black; text-align: center;"></td> </tr> <tr> <td>1809</td> <td>770</td> <td>2809</td> <td>385</td> <td>Filing a submission after final rejection (37 CFR § 1.129(a))</td> <td style="border: 1px solid black; text-align: center;"></td> </tr> <tr> <td>1810</td> <td>770</td> <td>2810</td> <td>385</td> <td>For each additional invention to be examined (37 CFR § 1.129(b))</td> <td style="border: 1px solid black; text-align: center;"></td> </tr> <tr> <td>1801</td> <td>770</td> <td>2801</td> <td>385</td> <td>Request for Continued Examination (RCE)</td> <td style="border: 1px solid black; text-align: center;"></td> </tr> <tr> <td>1802</td> <td>900</td> <td>1802</td> <td>900</td> <td>Request for expedited examination of a design application</td> <td style="border: 1px solid black; text-align: center;"></td> </tr> </tbody> </table> <p>Other fee (specify) _____</p> <p style="text-align: right;"> *Reduced by Basic Filing Fee Paid SUBTOTAL (3) (\$ 0) </p>	Large Entity		Small Entity		Fee Description	Fee Paid	Fee Code	Fee (\$)	Fee Code	Fee (\$)	1051	130	2051	65	Surcharge - late filing fee or oath		1052	50	2052	25	Surcharge - late provisional filing fee or cover sheet.		1053	130	1053	130	Non-English specification		1812	2,520	1812	2,520	For filing a request for reexamination		1804	920*	1804	920*	Requesting publication of SIR prior to Examiner action		1805	1,840*	1805	1,840*	Requesting publication of SIR after Examiner action		1251	110	2251	55	Extension for reply within first month		1252	420	2252	210	Extension for reply within second month		1253	950	2253	475	Extension for reply within third month		1254	1,480	2254	740	Extension for reply within fourth month		1255	2,010	2255	1,005	Extension for reply within fifth month		1401	330	2401	165	Notice of Appeal		1402	330	2402	165	Filing a brief in support of an appeal		1403	290	2403	145	Request for oral hearing		1451	1,510	1451	1,510	Petition to institute a public use proceeding		1452	110	2452	55	Petition to revive - unavoidable		1453	1,330	2453	665	Petition to revive - unintentional		1501	1,330	2501	665	Utility issue fee (or reissue)		1502	480	2502	240	Design issue fee		1503	640	2503	320	Plant issue fee		1460	130	1460	130	Petitions to the Commissioner		1807	50	1807	50	Processing fee under 37 CFR 1.17 (q)		1806	180	1806	180	Submission of Information Disclosure Stmt		8021	40	8021	40	Recording each patent assignment per property (times number of properties)		1809	770	2809	385	Filing a submission after final rejection (37 CFR § 1.129(a))		1810	770	2810	385	For each additional invention to be examined (37 CFR § 1.129(b))		1801	770	2801	385	Request for Continued Examination (RCE)		1802	900	1802	900	Request for expedited examination of a design application	
Large Entity		Small Entity		Fee Description			Fee Paid																																																																																																																																																																																																																																																																																												
Fee Code	Fee (\$)	Fee Code	Fee (\$)																																																																																																																																																																																																																																																																																																
1001	770	2001	385	Utility filing fee	770																																																																																																																																																																																																																																																																																														
1002	340	2002	170	Design filing fee																																																																																																																																																																																																																																																																																															
1003	530	2003	265	Plant filing fee																																																																																																																																																																																																																																																																																															
1004	770	2004	385	Reissue filing fee																																																																																																																																																																																																																																																																																															
1005	160	2005	80	Provisional filing fee																																																																																																																																																																																																																																																																																															
SUBTOTAL (1)					(\$ 770)																																																																																																																																																																																																																																																																																														
Total Claims	42	-20 **	=	22	X	18	=	396																																																																																																																																																																																																																																																																																											
Independent Claims	4	-3 **	=	1	X	86	=	86																																																																																																																																																																																																																																																																																											
Multiple Dependent	0				X		=	0																																																																																																																																																																																																																																																																																											
Large Entity		Small Entity		Fee Description																																																																																																																																																																																																																																																																																															
Fee Code	Fee (\$)	Fee Code	Fee (\$)																																																																																																																																																																																																																																																																																																
1202	18	2202	9	Claims in excess of 20																																																																																																																																																																																																																																																																																															
1201	86	2201	43	Independent claims in excess of 3																																																																																																																																																																																																																																																																																															
1203	290	2203	145	Multiple dependent claim, if not paid																																																																																																																																																																																																																																																																																															
1204	86	2204	43	** Reissue independent claims over original patent																																																																																																																																																																																																																																																																																															
1205	18	2205	9	** Reissue claims in excess of 20 and over original patent																																																																																																																																																																																																																																																																																															
SUBTOTAL (2)																																																																																																																																																																																																																																																																																																			
Large Entity		Small Entity		Fee Description	Fee Paid																																																																																																																																																																																																																																																																																														
Fee Code	Fee (\$)	Fee Code	Fee (\$)																																																																																																																																																																																																																																																																																																
1051	130	2051	65	Surcharge - late filing fee or oath																																																																																																																																																																																																																																																																																															
1052	50	2052	25	Surcharge - late provisional filing fee or cover sheet.																																																																																																																																																																																																																																																																																															
1053	130	1053	130	Non-English specification																																																																																																																																																																																																																																																																																															
1812	2,520	1812	2,520	For filing a request for reexamination																																																																																																																																																																																																																																																																																															
1804	920*	1804	920*	Requesting publication of SIR prior to Examiner action																																																																																																																																																																																																																																																																																															
1805	1,840*	1805	1,840*	Requesting publication of SIR after Examiner action																																																																																																																																																																																																																																																																																															
1251	110	2251	55	Extension for reply within first month																																																																																																																																																																																																																																																																																															
1252	420	2252	210	Extension for reply within second month																																																																																																																																																																																																																																																																																															
1253	950	2253	475	Extension for reply within third month																																																																																																																																																																																																																																																																																															
1254	1,480	2254	740	Extension for reply within fourth month																																																																																																																																																																																																																																																																																															
1255	2,010	2255	1,005	Extension for reply within fifth month																																																																																																																																																																																																																																																																																															
1401	330	2401	165	Notice of Appeal																																																																																																																																																																																																																																																																																															
1402	330	2402	165	Filing a brief in support of an appeal																																																																																																																																																																																																																																																																																															
1403	290	2403	145	Request for oral hearing																																																																																																																																																																																																																																																																																															
1451	1,510	1451	1,510	Petition to institute a public use proceeding																																																																																																																																																																																																																																																																																															
1452	110	2452	55	Petition to revive - unavoidable																																																																																																																																																																																																																																																																																															
1453	1,330	2453	665	Petition to revive - unintentional																																																																																																																																																																																																																																																																																															
1501	1,330	2501	665	Utility issue fee (or reissue)																																																																																																																																																																																																																																																																																															
1502	480	2502	240	Design issue fee																																																																																																																																																																																																																																																																																															
1503	640	2503	320	Plant issue fee																																																																																																																																																																																																																																																																																															
1460	130	1460	130	Petitions to the Commissioner																																																																																																																																																																																																																																																																																															
1807	50	1807	50	Processing fee under 37 CFR 1.17 (q)																																																																																																																																																																																																																																																																																															
1806	180	1806	180	Submission of Information Disclosure Stmt																																																																																																																																																																																																																																																																																															
8021	40	8021	40	Recording each patent assignment per property (times number of properties)																																																																																																																																																																																																																																																																																															
1809	770	2809	385	Filing a submission after final rejection (37 CFR § 1.129(a))																																																																																																																																																																																																																																																																																															
1810	770	2810	385	For each additional invention to be examined (37 CFR § 1.129(b))																																																																																																																																																																																																																																																																																															
1801	770	2801	385	Request for Continued Examination (RCE)																																																																																																																																																																																																																																																																																															
1802	900	1802	900	Request for expedited examination of a design application																																																																																																																																																																																																																																																																																															

**or number previously paid, if greater; For Reissues, see above

SUBMITTED BY		Complete (if applicable)			
Name (Print/Type)	Binal J. Patel	Registration No. (Attorney/Agent)	42,065	Telephone	312-463-5000
Signature				Date	10-15-03

WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

This collection of information is required by 37 CFR 1.17 and 1.27. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.


If you need assistance in completing this form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

CERTIFICATE OF EXPRESS MAIL
(PATENT)

Express Mail No.: EV306394600US

Deposited: October 15, 2003

I hereby certify that the attached correspondence, identified below, is being deposited with the United States Postal Service as "Express Mail Post Office to Addressee" under 37 CFR §1.10 on the date indicated above and is addressed to Mail Stop Patent Application, Commissioner for Patents, P.o. Box 1450, Alexandria, VA 22313-1450.

By: 

Title: CONTROL OF TREATMENT THERAPY DURING START-UP AND DURING OPERATION OF
A MEDICAL DEVICE SYSTEM

Inventor: Osorio et al.

Serial No.:

Filing Date: October 15, 2003

- Fee Transmittal Sheet (1 page) in duplicate
- Utility Patent Transmittal (1 page) in duplicate
- ADS (4 pages)
- Specification (77 pages) 42 claims/4 independent and abstract
- Formal Drawings Figs. 1-33 (33 pages)
- Return Receipt Post Card

Attorney Docket No.: 011738.00134